

NOV 21 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Susana CURATOLO	Conf. No.:	3621
Serial No.:	10/751,946	Art Unit:	3742
Filed:	January 7, 2004	Examiner:	Mark H. PASCHALL
For:	MELTING AND VAPORIZATION APPARATUS AND METHOD		

**SUBMISSION UNDER 37 C.F.R. § 1.56, § 1.97 & § 1.98**  
**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Barnes & Thornburg Customer No:

**23646**

U.S. Patent and Trademark Office

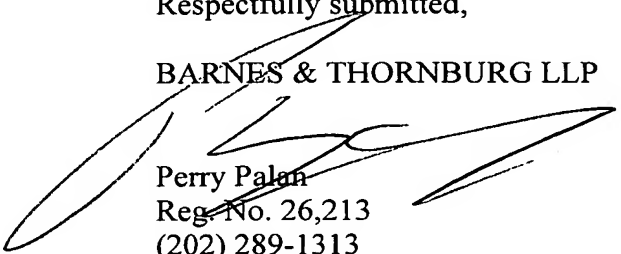
Sir:

To comply with the duty of disclosure set forth in 37 C.F.R. § 1.56, the information contained in the Written Opinion and Search Report dated 17 August 2005 of the corresponding PCT application and other U.S. patents and articles listed on the attached PTO-1449 are submitted herewith to the Examiner for consideration in connection with the examination of the above-identified application.

Enclosed is a check in the amount of \$180.00 the fee for filing this Information Disclosure Statement. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Account No. 02-1010 (32492/41888).

Respectfully submitted,

BARNES & THORNBURG LLP

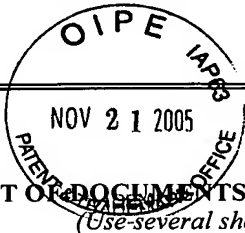
  
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Enclosures

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

32492/41888

SERIAL NO.

10/751,946

**LIST OF DOCUMENTS CITED BY APPLICANT**  
(Use several sheets if necessary)

APPLICANT

Susan CURATOLO

FILING DATE

January 7, 2004

ART UNIT

3742

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,946,543	08/7/1990	Kalisher et al.			
	AB	4,738,831	04/19/1998	Naumann et al.			

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BE	1,591,651	24-06-1981	GB				
	BF	2004005203	15-01-2004	WO				

**OTHER PRIOR ART** (Including Author, Title, Date Pertinent Pages, Etc.)

BG	VLASOV, Yuril A. et al., "Active Control of Slow Light on a Chip with Photonic Crystal Waveguides," Nature 438, pp. 65-69, November 3, 2005
BH	KRUSHELNICK, K. et al., "Laser Plasma Interactions: Fast Ignition Experiments," Imperial College, London, September 8, 2005
BI	DANGOR, A. E. et al., "High Intensity Laser Interactions With Solids," Imperial College London, September 2005
BJ	NAJMUDIN, Z., et al., "Laser Produced Plasmas as a Compact Particle Accelerator," Imperial College London, September 2005
BJ	WILLI, O., et al., "Experimental Laser Plasma Interaction Studies," Imperial College London, September 2005
BK	DAVIES, JR, et al., "Modelling of Short Laser Pulse Interactions with Solid Targets," Imperial College London, September 2005
BL	KODAMA, R., et al., "Plasma Devices to Guide and Collimate a High Density of MeV Electrons." Nature 432, 1005-1008, December 23, 2004
BM	TANAKA, K. A. et al., "Progress and Perspectives of Fast Ignition," Plasma Physics and Controlled Fusion, 46, (2004), B41-B49, December, 2004
BN	CURATOLO, S., "New Experimental Implications for ICF," 31 <sup>st</sup> EPS Conference on Plasma Phys., Vol. 28G:P-2.002 (28 June 2004) XP002335904 London, Abstract
BO	MCNAB, Sharee J. et al., "Ultra-Loss Photonic Integrated Circuit With Membrane-Type Photonic Crystal Waveguides," Optic Express 11:22, pp. 2927-39 November 3, 2003
BP	KODAMA, R. et al., "Nuclear Fusion: Fast Heating Scalable to Laser Fusion Ignition," Nature 418, 933-934 (Aug. 29, 2002)

EXAMINER:

DATE CONSIDERED:

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.